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DEVELOPMENT OF ONION TO SINGLE-INGREDIENT AND COMPOUND PRODUCT LINES

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Claims

1. A method of developing vegetable, food, and relevant traditional Chinese herbal medicines into food, drink, healthcare medicines, and new drugs by means of the single ingredient preparation and compound preparation. It is characterized in that, with onion as the major ingredient, product lines are developed with a single ingredient of onion or onion prepared compatibly with Fructus Crataegi, Ganoderma Lucidum Seu Japonicum, Semen Cassiae, Folium Nelumbinis, Radix

Polygonic Multiflori, Rhizoma Alismatis, Spica Pronellae, Rhizoma Polygoni Cuspidati, Cortex Eucommiae, Radix Scutellariae, red sage root, Folium Ginkgo, Radix Puerariae, Cucurbitaceae, Cortex Eucommiae, Folium Apocyni Veneti, Ramulus Uncariae cum Uncis, Radix Aristolochiae, green onion, celery, garlic, fresh ginger, pollen, green bean, and dried mushroom, etc., or prepared compatibly with other relevant traditional Chinese herbal medicines, foods, and vegetables, for treatment of illnesses such as high lipids, high cholesterol, arteriosclerosis, high blood pressure, arthritis, colds, dysentery, lyssodexis, diabetes, and for growth of hair after baldness, etc.

2. A method as described in Claim 1, which is also characterized in that the onion juice is produced from onion by means of pressing, concentrated, dried, ground, and developed into the powder preparation, tablet, granule preparation, and capsule, for use as a single ingredient preparation, or prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables to be developed into the powder preparation, tablet, granule preparation, and capsule, and developed into product lines of food, drink, healthcare medicines, and new drugs.

3. A method as described in Claim 1, which is also characterized in that the onion juice is produced from onion by means of pressing, prepared into oral liquid, for use as a single ingredient preparation. Or it is prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables, into an oral liquid, and developed into product lines of food, drink, healthcare medicines, and new drugs.

4. A method as described in Claim 1, which is also characterized in that the onion is extracted using an organic solvent (such as alcohol), and after the solvent is recovered, the medicinal liquid is concentrated, dried, ground, and developed into a powder preparation, tablet, granule preparation, and capsule, for use as a single ingredient preparation, or prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables to be developed into the powder preparation, tablet, granule preparation, and capsule, and developed into product lines of food, drink, healthcare medicines, and new drugs.

5. A method as described in Claim 1, which is also characterized in that the onion is extracted using an organic solvent (such as alcohol), the solvent is recovery, the medicinal liquid is prepared into an oral liquid, for use as a single ingredient preparation, or prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables as an oral liquid, and developed into product lines of food, drink, healthcare medicines, and new drugs.

6. A method as described in Claim 1, which is also characterized by the method of distillation of the onion with vapor (including direct vapor distillation of the onion after it is ground and crushed, vapor distillation of the onion juice that has been pressed out, alcohol extraction of the onion after it is ground and crushed, and vapor distillation of the medicinal liquid

after recovery of the alcohol) to extract the onion extract, to prepare into dripping pill, oil pill, emulsion, etc., for use as a single ingredient preparation, or prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables, to be developed into product lines of food, drink, healthcare medicines, and new drugs.

7. A method as described in Claim 1, with which product lines of food, drink, healthcare medicines, and new drugs are developed with onion as the single ingredient.

8. A method as described in Claim 1, with which product lines of food, drink, healthcare medicines, and new drugs are developed with onion as the major ingredient, prepared compatibly with other traditional Chinese medicines, vegetables, foods, etc.

#### Detailed explanation of the invention

Since the application for “Developing Onion a Vegetable into a New Drug” (Application No. 92101366, Application Date: 920228) was filed on February 28, 1992, it has been further confirmed clinically that onion indeed has the functions of reducing high lipid and high cholesterol, preventing arteriosclerosis, reducing high blood pressure, etc. It has also been reported that it can be used for treatment of colds, dysentery, arthritis, lyssodexis, diabetes, and for growth of hair after baldness, etc., and it has extremely extensive uses. Therefore, it can be further developed into single ingredient and compound product lines, on the following grounds:

1. Onion is a vegetable: It can be developed into product lines of food, drink, healthcare medicine and new drugs, because it has the following advantages:

It is not subject to the seasonal effects of vegetables, and can still be administered when onion is not in season, and it is always available all the year round.

It can be administered at an accurate dose, at regular time and at regular dose, and the therapeutic effect is reliable and stable.

It does not have the toxic and side effects of western medicine.

It is of rich source, low price, extensive uses, and definite therapeutic effects.

2. Based on the characteristic of traditional Chinese medicine that medicine administered is a compound one, it can be prepared compatibly with traditional Chinese herbal medicines, vegetables, foods, etc., with the effects of reducing high lipids, high cholesterol, and high blood pressure, and preventing arteriosclerosis, so that its functions can be strengthened,

thus attaining the purposes of even higher, faster, more comprehensive, and more consolidated therapeutic effects and even broader therapeutic range.

Therefore, onion is used as the major ingredient, prepared compatibly with Fructus Crataegi, Ganoderma Lucidum Seu Japonicum, Semen Cassiae, Folium Nelumbinis, Radix Polygoni Multiflori, Rhizoma Alismatis, Cortex Eucommiae, Spica Pronellae, Rhizoma Polygoni Cuspidati, Radix Scutellariae, red sage root, Folium Ginkgo, Radix Puerariae, Cucurbitaceae, Folium Apocyni Veneti, Ramulus Uncariae cum Uncis, Radix Aristolochiae, celery, garlic, fresh ginger, dried mushroom, green onion, pollen, green bean, etc., or prepared compatibly with other relevant traditional Chinese herbal medicines, foods, vegetables, etc., to be developed into product lines of food, drink, healthcare medicine, new drugs, etc.

The following are examples of the present process:

The onion is pressed using the pressing method, and the onion juice is concentrated, dried, and developed into the powder preparation, tablet, capsule, and granule preparation, so as to be developed into food, drink, healthcare medicines, and new drugs, or prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables to be developed to the powder preparation, tablet, granule preparation or capsule, etc., so as to be developed into product lines of food, drink, healthcare medicines, and new drugs.

The onion is pressed using the pressing method, and the onion juice is developed into the oral liquid, so as to be developed into food, drink, healthcare medicines, and new drugs, or prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables to be developed to the oral liquid, so as to be developed into product lines of food, drink, healthcare medicines, and new drugs.

The onion is extracted using an organic solvent, the solvent is recovery, and the medicinal liquid developed into an oral liquid, to be developed into food, drink, healthcare medicines, and new drugs, or prepared compatibly with other traditional Chinese herbal medicines, foods, and vegetables to be developed to the oral liquid, so as to be developed into product lines of food, drink, healthcare medicines, and new drugs.

The onion is extracted using an organic solvent (such as alcohol), and after the solvent is recovered, the medicinal liquid is concentrated, dried, and developed into food, drink, healthcare medicine, new drugs, etc., or prepared compatibly with other relevant traditional Chinese herbal medicines, foods, and vegetables to be developed into the powder preparation, tablet, granule preparation, and capsule, and developed into product lines of food, drink, healthcare medicines, and new drugs.

Using the method of vapor distillation, the volatile oil is extracted from the onion, to be used as a single ingredient or to be prepared compatibly with other relevant traditional Chinese herbal medicines, foods, and vegetables to be developed into

the dripping pill, oil pill, emulsion, syrups, etc., so as to be developed into product lines of food, drink, healthcare medicines, and new drugs.

It is tested pharmacologically using, respectively, the new process and new recipes mentioned above, to select the optimum recipe and preparation, and then an application is filed in accordance with the stipulated procedure for batch production.